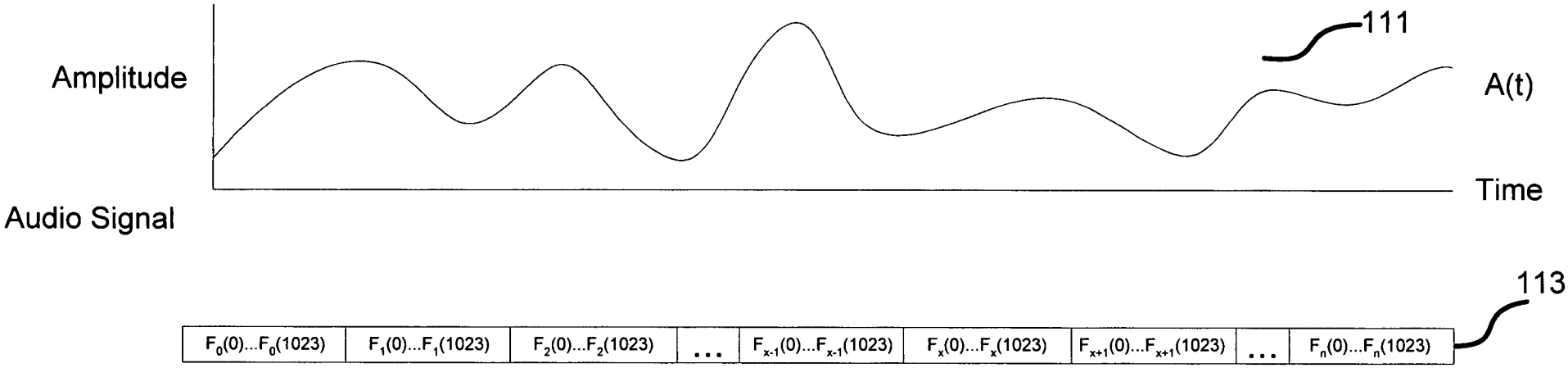

Figure 1

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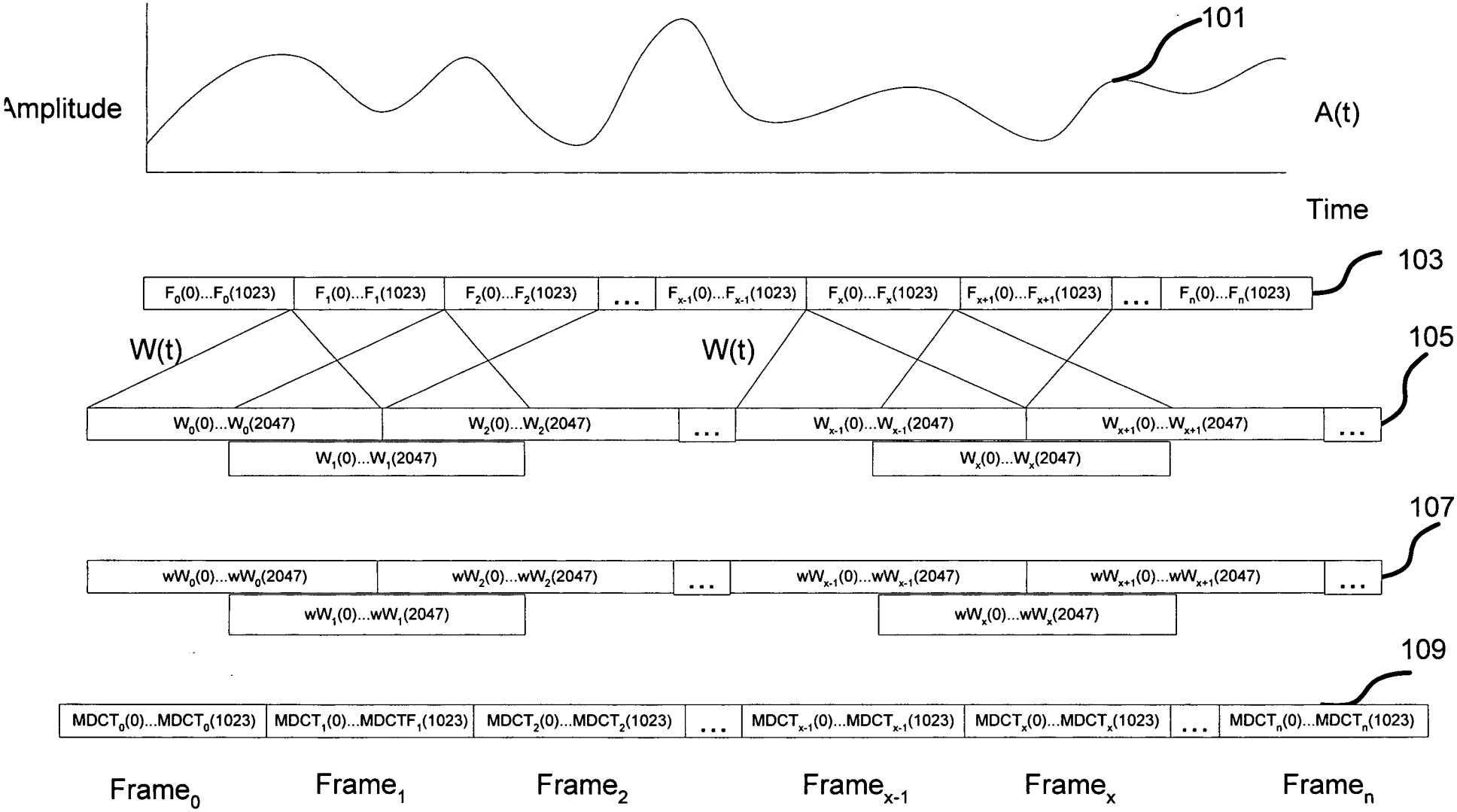
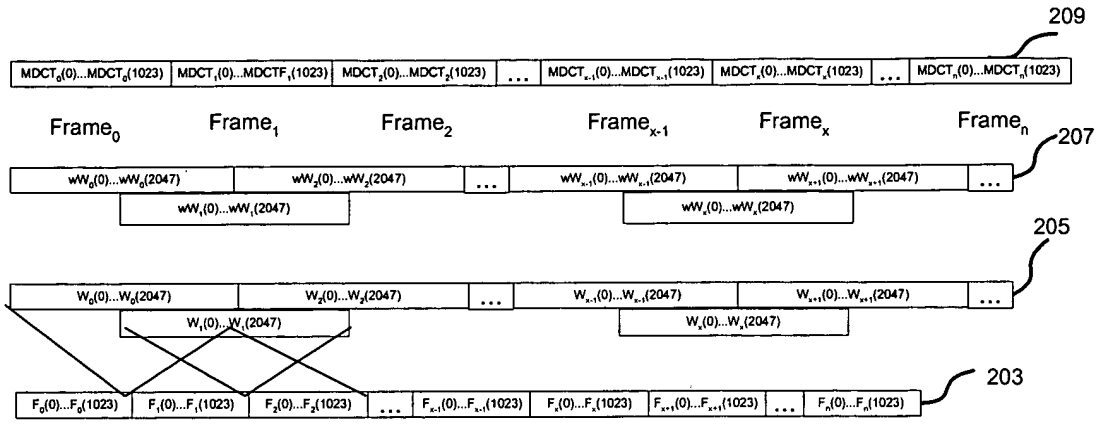

101
Amplitude
A(t)
Time
103
$F_0(0)...F_0(1023)$
$F_1(0)...F_1(1023)$
$F_2(0)...F_2(1023)$
...
$F_{x-1}(0)...F_{x-1}(1023)$
$F_x(0)...F_x(1023)$
$F_{x+1}(0)...F_{x+1}(1023)$
...
$F_n(0)...F_n(1023)$
W(t)
W(t)
105
$W_0(0)...W_0(2047)$
$W_2(0)...W_2(2047)$
...
$W_{x-1}(0)...W_{x-1}(2047)$
$W_{x+1}(0)...W_{x+1}(2047)$
...
$W_1(0)...W_1(2047)$
$W_x(0)...W_x(2047)$
107
$wW_0(0)...wW_0(2047)$
$wW_2(0)...wW_2(2047)$
...
$wW_{x-1}(0)...wW_{x-1}(2047)$
$wW_{x+1}(0)...wW_{x+1}(2047)$
...
$wW_1(0)...wW_1(2047)$
$wW_x(0)...wW_x(2047)$
109
$MDCT_0(0)...MDCT_0(1023)$
$MDCT_1(0)...MDCTF_1(1023)$
$MDCT_2(0)...MDCT_2(1023)$
...
$MDCT_{x-1}(0)...MDCT_{x-1}(1023)$
$MDCT_x(0)...MDCT_x(1023)$
...
$MDCT_n(0)...MDCT_n(1023)$
$Frame_0$
$Frame_1$
$Frame_2$
$Frame_{x-1}$
$Frame_x$
$Frame_n$

Figure 4



202

$FR_0(0)...FR_0(1023)$	$FR_1(0)...FR_1(1023)$	$FR_2(0)...FR_2(1023)$	--------	$FR_n(0)...FR_n(1023)$

204

$wF_0(0)...wF_0(1023)$	$wF_1(0)...wF_1(1023)$	$wF_2(0)...wF_2(1023)$	-------	$wF_n(0)...wF_n(1023)$

206

$W_0(f_0,f_1,f_2...)$, $\theta_0(f_0,f_1,f_2...)$, $\psi_0(f_0,f_1,f_2...)$	$w_1(f_0,f_1,f_2...)$, $\theta_1(f_0,f_1,f_2...)$, $\psi_1(f_0,f_1,f_2...)$	$w_2(f_0,f_1,f_2...)$, $\theta_2(f_0,f_1,f_2...)$, $\psi_2(f_0,f_1,f_2...)$	-------	$w_n(f_0,f_1,f_2...)$, $\theta_v(f_0,f_1,f_2...)$, $\psi_v(f_0,f_1,f_2...)$

208

$w_0(f_0,f_1,f_2...)$, $\theta_0(f_0,f_1,f_2...)$, $\psi_0(f_0,f_1,f_2...)$	$w_1(f_0,f_1,f_2...)$, $\psi_0(f_0,f_1,f_2...)$, $\psi'_1(f_0,f_1,f_2...)$	$w_2(f_0,f_1,f_2...)$, $\psi'_1(f_0,f_1,f_2...)$, $\psi'_2(f_0,f_1,f_2...)$	-------	$w_n(f_0,f_1,f_2...)$, $\psi'_{v-1}(f_0,f_1,f_2...)$, $\psi'_v(f_0,f_1,f_2...)$

210

$wF_0(0)'...wF_0(1023)'$	$wF_1(0)'...wF_1(1023)'$	$wF_2(0)'...wF_2(1023)'$	------	$wF_n(0)'...wF_n(1023)'$

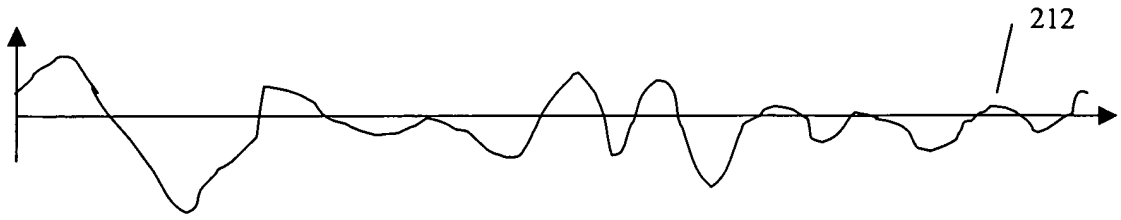


FIGURE 5

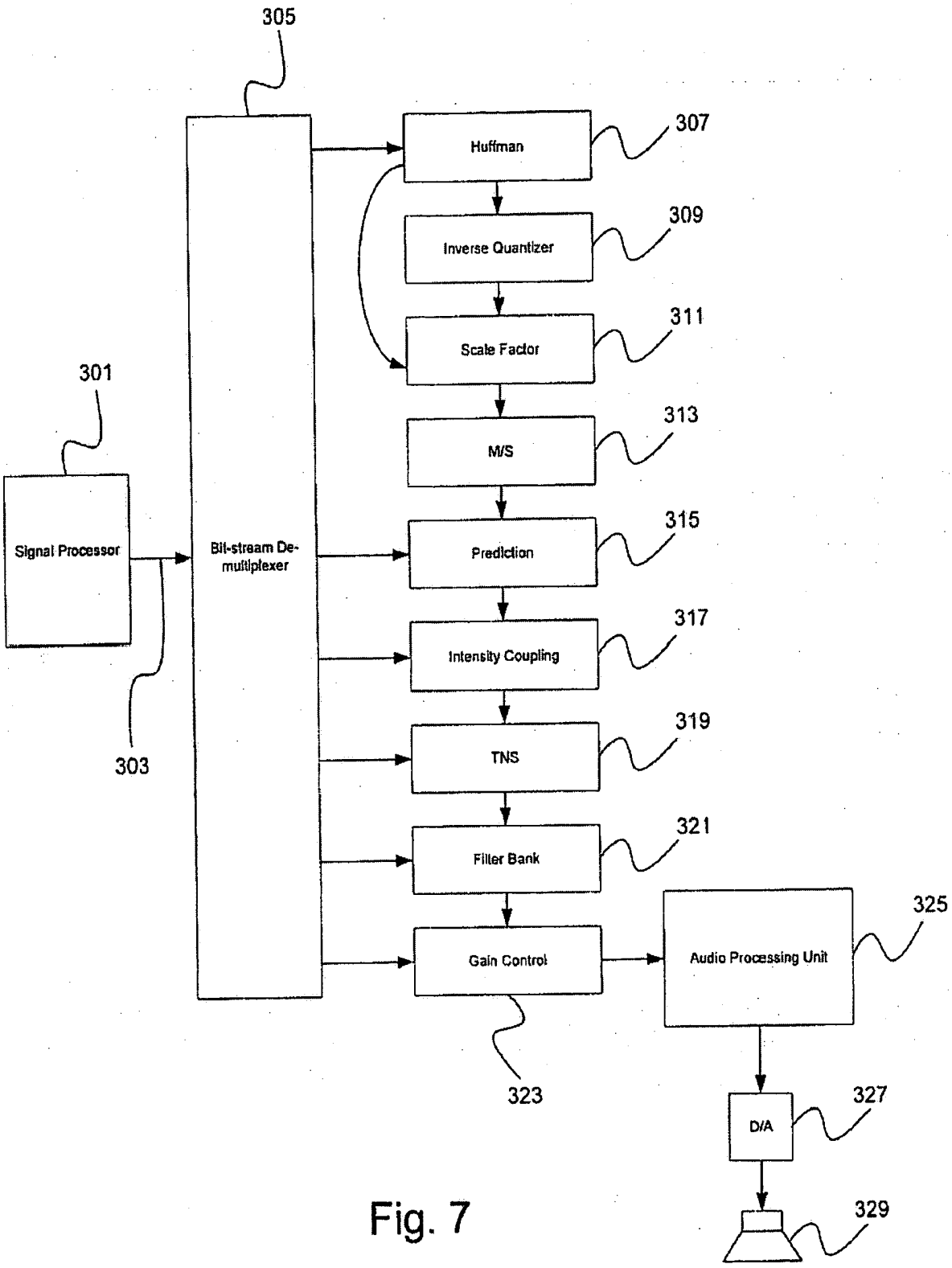

305
Huffman
307
Inverse Quantizer
309
Scale Factor
311
301
M/S
313
Signal Processor
Bit-stream De-multiplexer
Prediction
315
Intensity Coupling
317
303
TNS
319
Filter Bank
321
Gain Control
Audio Processing Unit
325
323
D/A
327
329

Fig. 7